

WATER CONSERVING AND CLEANING APPARATUS

Abstract of the Disclosure

The present water conserving and cleaning apparatus' major components include an essentially straight handle of several feet in length, with a hand grip in the vicinity of a distal end and a water flow control lever operably secured to a straight fixture removably secured to the hand grip. The handle is secured on the proximate end to a horizontal member in an inverted "T" configuration. A specific angle at which the handle is secured to the horizontal member is preferred for maximum comfort value for adults. The horizontal member includes a winged jet manifold fixably secured to the proximate end of the handle. The manifold includes a flow director which directs an air and water jet stream onto a surface to be cleaned. A rear wing, integral to the jet manifold, includes a two level cantilevered porch with specifically designed angles and heights to provide optimum air flow and a Venturi effect under the cleaning apparatus. A minimum of water is required when combined with an air stream to provide maximum pressure at a specific target angle to the surface to be cleaned. In addition, a cylindrical horizontal length of pipe is integrally manufactured into the manifold. Also, a plurality of spray nozzles are secured underneath the horizontal length of the cylinder at generally equally spaced intervals. Finally, on a rear side of the manifold is movably secured a plurality of wheels. Several embodiments

demonstrate design flexibility and adaptability to a variety of surface cleaning uses.

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GLOSSARY

1	waterbroom (prior art)
2	pipe member (prior art)
3	handle (prior art)
5	4 nozzle (prior art)
5	5 spray pattern (prior art)
10	10 water conserving and cleaning apparatus
12	12 straight handle
14	14 hand grip
10	15 straight fixture
16	16 distal end
18	18 lever
20	20 one end
22	22 water hose
15	24 proximate end
26	26 jet manifold
28	28 center
30	30 cylinder
32	32 forward wing
20	34 rear wing
36	36 plurality of spray nozzles
36a	36a slot

	38	plurality of wheels
	40	left end
	42	right end
	44	air flow
5	46	cantilevered porch
	48	air and water jet stream
	50	surface
	52	water
	54	∂_1
10	56	upper porch
	58	angle step
	60	lower porch
	62	∂_2
	64	∂_3
15	66	∂_4
	68	distance "d"
		L_1
		L_2
	70	forward edge
20	72	junction

- 76 attachment mechanism
- 78 spray pattern
- 80 spray angle ∂_5
- 82 water filter
- 5 84 base
- 86 annular ring
- 88 cone

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